

INTERNATIONAL SEARCH REPORT

PCT/IB 50020

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04B7/08 H04L25/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SCHMIDL T M ET AL: "The use of iterative channel estimation (ICE) to improve link margin in wideband CDMA systems" VEHICULAR TECHNOLOGY CONFERENCE, 1999 IEEE 49TH HOUSTON, TX, USA 16-20 MAY 1999, PISCATAWAY, NJ, USA, IEEE, US, 16 May 1999 (1999-05-16), pages 1307-1311, XP010342156 ISBN: 0-7803-5565-2 column 3; figure 2	1-9
A	US 6 137 843 A (BOTTOMLEY GREGORY E ET AL) 24 October 2000 (2000-10-24) abstract figure 8 column 9, line 35 - line 67 column 10, line 1 - line 9 -/-	1-9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- * & * document member of the same patent family

Date of the actual completion of the international search

9 March 2004

Date of mailing of the international search report

16/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Mier, A

INTERNATIONAL SEARCH REPORT

PCT/IB/50020

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>YE LI: "Pilot-symbol-aided channel estimation for OFDM in wireless systems" VEHICULAR TECHNOLOGY CONFERENCE, 1999 IEEE 49TH HOUSTON, TX, USA 16-20 MAY 1999, PISCATAWAY, NJ, USA, IEEE, US, 16 May 1999 (1999-05-16), pages 1131-1135, XP010342070 ISBN: 0-7803-5565-2 abstract column 1-3; figure 1</p>	1-9

INTERNATIONAL SEARCH REPORT

PCT/IB/50020

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6137843	A	24-10-2000	US 5790606 A 04-08-1998
			AU 8585298 A 16-02-1999
			EP 1000489 A1 17-05-2000
			JP 2001511622 T 14-08-2001
			WO 9905832 A1 04-02-1999
			AU 721080 B2 22-06-2000
			AU 5297896 A 11-09-1996
			CA 2213518 A1 29-08-1996
			CN 1181851 A , B 13-05-1998
			DE 69621599 D1 11-07-2002
			DE 69621599 T2 02-01-2003
			EP 0811277 A1 10-12-1997
			FI 973461 A 23-10-1997
			JP 11500880 T 19-01-1999
			US 6148041 A 14-11-2000
			WO 9626578 A1 29-08-1996
			US 6088593 A 11-07-2000
			US 5708971 A 13-01-1998
			US 5940742 A 17-08-1999
